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(54) Title: RANDOM OLEFIN COPOLYMERS

(57) Abstract: Provided is a method for the production of an olefin co-polymer, which method comprises co-polymerising two or more olefin monomers in the presence of a metallocene catalyst, wherein the metallocene catalyst comprises a metallocene having the following formula: $R^n(CpR_m)(FluR^n)MQ_2$ wherein Cp comprises a cyclopentadienyl ring; Flu comprises a fluorenyl ring; R^n comprises a structural bridge imparting stereorigidity to the component; each R is the same or different and is an organic group; R^n is an integer of from 1-4; each R^n is the same or different and is an organic group; R^n is an integer of from 0-8; R^n is a metal atom from group IVB of the Periodic Table or is vanadium; and each R^n is a hydrocarbon having from 1-20 carbon atoms or is a halogen.

